

19990526.qrp v01\_n469.qrl.990526

Date: Wed, 26 May 1999 19:03:19 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1469

QRP-L Digest 1469

Topics covered in this issue include:

- 1) [41339] Re: IC-706 MkII bracket  
by Hank Kohl K8DD <k8dd@arrl.net>
- 2) [41340] Re: QRP-L digest 1468  
by Fred Jones <fred@unimem.com>
- 3) [41341] Hello all, just joined the list  
by Tom Randall <trandall@idsi.net>
- 4) [41342] Re: QRP-l Archive CD  
by "John J. McDonough" <jjmcd@tm.net>
- 5) [41343] Re: IC-706 MkII bracket  
by Phil Wheeler <w7ox@mindspring.com>
- 6) [41344] Valor Enterprises  
by Mighty Mik <mitymik@hooked.net>
- 7) [41345] Re: Not QRP - exactly  
by Bruce Kizerian <kizerian@ced.utah.edu>
- 8) [41346] Re: >How to Grow a Hobby< (short)  
by Bruce Kizerian <kizerian@ced.utah.edu>
- 9) [41347] I've got the Valor Pro-am URL --->  
by PUNISHER3@aol.com
- 10) [41348] AEA MM-3 Morse Machine  
by Michael Melland <badger@vbe.com>
- 11) [41349] Study guide opinions  
by The Boices <boice@bigfoot.com>
- 12) [41350] Re: LM386 Motor-Boarding Help Please  
by neil <neil@aade.com>
- 13) [41351] Desert Rat  
by Norm Melick <henmel@worldnet.att.net>
- 14) [41352] PROVINCIAL FLOWERS (fwd)  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 15) [41353] Re: >How to Grow a Hobby< (short)  
by "John Russell" <longjohn@qconline.com>
- 16) [41354] CW TenTec QRP Rig (please help?)  
by KM3D <bump-km3d@redrose.net>
- 17) [41355] 2n2/40 prep (sort of...)  
by KM3D <bump-km3d@redrose.net>
- 18) [41356] Re: AEA MM-3 Morse Machine  
by Chuck Adams <adams@ticnet.com>
- 19) [41357] basic receivers

- by jmbrown@edge.net (JERRY BROWN)
- 20) [41358] SB - VE3ELA -  
by Bruce Ratray <ratray@gpfn.sk.ca>
- 21) [41359] MV2115 varicap & 4.915MHz crystal sources  
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 22) [41360] Re: SB - VE3ELA -  
by olyellr@iglou.com
- 23) [41361]  
by n5bi@juno.com
- 24) [41362] Rochester hamfest  
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 25) [41363] SPRING BOUQUET ---  
by Peter Larsen <larsen@cadvision.com>
- 26) [41364] QRPTTF SPC's Count Towards QRP WAS?  
by Michael C Boatright <ko4wx@mindspring.com>
- 27) [41365] [Fwd: Solar panel info that qrp-l asked for  
by Jim <w7ls@blarg.net>
- 28) [41366] Re: QRPTTF SPC's Count Towards QRP WAS?  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 29) [41367] Re: FD Sites in Tucson, AZ?!?!?  
by Thomas Kuehl <ac7a@uswest.net>
- 30) [41368] Battery Pack  
by "Charles Hamel" <cdhamel@pdq.net>
- 31) [41369] Re: Battery Pack  
by Jim <w7ls@blarg.net>
- 32) [41370] Re: [Fwd: Solar panel info that qrp-l asked for  
by "John Russell" <longjohn@qconline.com>
- 33) [41371] Re: >How to Grow a Hobby<  
by brian\_jones@uk.ibm.com
- 34) [41372] Re: Study guide opinions  
by "Rod Cerkoney" <rwc@frii.com>
- 35) [41373] Help with QRPp subscription  
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 36) [41374] Re: >How to Grow a Hobby< (short)  
by wgabriel@dukeengineering.com
- 37) [41375] Az ScQRPions Home Brew Contest  
by Jerry Haigwood <w5jh@swlink.net>
- 38) [41376] Re: basic receivers  
by "Bryan Turner" <turnerw@email.uah.edu>
- 39) [41377] Re: SB - VE3ELA -  
by Bruce Ratray <ratray@gpfn.sk.ca>
- 40) [41378] Re: SPRING BOUQUET ---  
by Bruce Ratray <ratray@gpfn.sk.ca>
- 41) [41379] Re: SB - VE3ELA -  
by Bruce Ratray <ratray@gpfn.sk.ca>
- 42) [41380] Re: AEA MM-3 Morse Machine  
by Chris Cartwright Sr <ccart@phideaux.com>
- 43) [41381] [RE]Mailing List Addresses

by "Wilford D. Lindsey" <70511.3041@compuserve.com>  
44) [41382] New Kit on the way  
by "dor" <elbc@pivot.net>  
45) [41383] Re: AEA MM-3 Morse Machine  
by Jim Boyle K6JMB <jmb@cruzio.com>  
46) [41384] Shortened 40M antenna ideas ?  
by WB9MII@aol.com  
47) [41385] FREE GELCELL BATTERIES  
by Roy Lincoln <wa4dou@usa.net>  
48) [41386] FS: EX Uniden HR-2600 10m xcvr  
by Bill Cotter <bcotter@pop.uky.edu>  
49) [41387] Re: Shortened 40M antenna ideas ?  
by "David Reid" <dareid@Synopsys.COM>  
50) [41388] AEA Keyers CK-2 and MM-3  
by Chuck Adams <adams@ticnet.com>  
51) [41389] >How to Grow a Hobby< A Radio Question  
by John R Kirby <n3aaz-qrp@juno.com>  
52) [41390] Re: >How to Grow a Hobby< (more)  
by Laura Halliday <lha@sdr.utias.utoronto.ca>  
53) [41391] a CW poem on a dutch server  
by "David Reid" <dareid@Synopsys.COM>  
54) [41392] Manhattan Tuna  
by bump-km3d@redrose.net  
55) [41393] dk9sq mast  
by David Heintzleman <bchurch@megavision.com>  
56) [41394] WTB: CMOS II Keyer  
by Roger Hightower <n7kt@earthlink.net>  
57) [41395] Tribander CB conversion  
by "Steven Weber" <kd1jv@moose.ncia.net>  
58) [41396] Request Micrin WPO Communication QRP txvr  
by "Peter Zenker" <Peter\_DL2FI@csi.com>  
59) [41397] QRP-1 Archive CD-Rom  
by David J Adams <adamsclan@netgate.net>  
60) [41398] Need help with GAP Titan antenna  
by Blackpug1@aol.com  
61) [41399] Re: dk9sq mast  
by Bob Patten <n4bp@bc.seflin.org>  
62) [41400] Re: dk9sq mast  
by "Dan Hanson KQ6YI" <kq6yi@hotmail.com>  
63) [41401] Re: >How to Grow a Hobby< (short)  
by Bob Patten <n4bp@bc.seflin.org>  
64) [41402] RE: dk9sq mast  
by Paul Antoniewicz <pja@sofsol.com>  
65) [41403] AW: dk9sq mast  
by "Peter Zenker" <Peter\_DL2FI@csi.com>  
66) [41404] Spring Bouquet...  
by Fred Lesnick <flesnick@tbaytel.net>  
67) [41405] Re: dk9sq mast

- by Bob Patten <n4bp@bc.seflin.org>
- 68) [41406] Re:Long Shot for K2 fun...  
by Ed Loranger <we6w@qsl.net>
- 69) [41407] AW: Need help with GAP Titan antenna  
by "Peter Zenker" <Peter\_DL2FI@csi.com>
- 70) [41408] Re: dk9sq mast  
by Niel Skousen <skousen@srv.net>
- 71) [41409] Need Volunteer Labor for NorCal Cap Kits  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 72) [41410] help  
by "wn6hyx" <mcherry@calweb.com>
- 73) [41411] Longitude and Latitude  
by Brad Mugleston <bmug@gw1.com>
- 74) [41412] Plating Brass  
by Chuck Adams <adams@ticnet.com>
- 75) [41413] Re: dk9sq mast  
by Bob Hightower <ki7mn@extremezone.com>
- 76) [41414] Bill Jones to show Regen at NorCal Cap Kitting Party Saturday  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 77) [41415] Neophyte Muting  
by K2UD@aol.com
- 78) [41416] Re: Longitude and Latitude  
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
- 79) [41417] NorCal Capacitor kit  
by Joseph Trombino Jr <joebarb@wilmington.net>
- 80) [41418] NorCal Capacitor kit  
by Joseph Trombino Jr <joebarb@wilmington.net>
- 81) [41419] Re: NorCal Capacitor kit  
by Jay Bromley <w5jay@alltel.net>
- 82) [41420] Re: Regen Building Progress  
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 83) [41421] Re: 2N2/40 QRPp Corrections  
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 84) [41422] AR QRP 40m Net tonight  
by Robsparks@aol.com
- 85) [41423] Ladies Congratulations  
by John R Kirby <n3aaz-qrp@juno.com>

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Date: Tue, 25 May 1999 18:57:34 -0400  
From: Hank Kohl K8DD <k8dd@arrl.net>  
To: jjmcd@tm.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [41339] Re: IC-706 MkII bracket  
Message-ID: <4.1.19990525185542.01584300@192.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 06:29 PM 5/25/99 -0400, John J. McDonough wrote:

>>Part is MB-62. \$25.95 in AES catalog.

>

>

>Yeah, that's what mine said, too. Wasn't that thing about half that

>price a

>year ago?

>

>72/73 de WB8RCR <http://users.tm.net/jjmcd/>

AES Catalog Summer 98 \$29.95

AES Catalog Winter 96/97 \$20.00

AES Catalog Summer 96 \$20.00

I knew there was a reason to keep all those old AES catalogs!

73 Hank K8DD

-----BEGIN GEEK CODE BLOCK-----

Version 3.1

GCC/IT d++ s: a++ C++ L++ E---

W++ N\* K? O! M- PS++ PE Y+ tv--

b++ DI+++ e\* h---- r+++ x?

-----END GEEK CODE BLOCK-----

-----

Date: Tue, 25 May 1999 17:15:22 -0600

From: Fred Jones <fred@unimem.com>

To: qrp-l@Lehigh.EDU

Subject: [41340] Re: QRP-L digest 1468

Message-ID: <199905252315.RAA04638@lune>

I inherited this one in VBBREG, but I changed M32 from what Michael had used to modify the amount of ripple. I suggest that you use 0.9um for now. I need to check to see if I need to modify M32, but I don't think I will. The amount hysteresis we use is somewhat flexible - not a hard value. We want to have sufficient hysteresis so that the VBBGEN and VPL don't interact too much.

In short, go ahead and change M31 for now. I'll let you know if we need to change anything else as a result of this change.

Fred

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Date: Tue, 25 May 1999 19:41:27 -0400  
From: Tom Randall <trandall@idsi.net>  
To: qrp-1@Lehigh.EDU  
Subject: [41341] Hello all, just joined the list  
Message-ID: <199905252341.TAA28521@pop.idsi.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi folks,

Just joined the list and I'm waiting for my first digest of it to arrive. I've been reading the archives and I'm going to find this list a LOT of fun!

I ordered an MFJ 9140B station on Saturday. Been a ham since the fall of 1994. Currently a Tech Plus but took my General a few weeks ago and passed the written but failed the code by a little bit so it's back to practicing for me. Haven't really done any CW yet except a little practice on 10m with a local ham friend but it didn't last but a few days. I know, I need to get on the air and start having QSOs, kind of key shy though but I'll do it. I'm up to around 15wpm at the moment. The MFJ rig sounds like it's going to be a lot of fun, any tips or advice for it would be appreciated!

Up until now I've been using (for HF) my TS450s and Icom 706MkII mainly for 10m, 6m and copying 40m Cw. For now I'll probably get on 40m since it's fairly active most of the time, 80 seems a bit too crowded at night for me so I tune around it during the day sometimes. 10m needs to open a bit more but I have heard some cw there as well at times. Up til now I've only worked phone but I'll be starting to use CW any minute now. If you hear me just be gentle! I'm not a speed demon....yet!

Look forward to learning a lot here and making some new friends too!

73,

Tom Randall - KB2SMS

Tom Randall -- trandall@idsi.net  
Amateur Radio - KB2SMS  
Mt. Beacon Amateur Radio Club / ARRL / 10-10  
Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www1.mhv.net/~trandall/welcome.html>

-----  
Date: Tue, 25 May 1999 19:41:03 -0400  
From: "John J. McDonough" <jjmcd@tm.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [41342] Re: QRP-1 Archive CD  
Message-ID: <010701bea708\$3beb35c0\$010044c0@mdp23b>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

From: David J Adams <adamsclan@netgate.net>

>Greetings! I received the copy of the QRP-1 archive (V2) from Chuck  
>and everything looks okay upon initial testing, so I am ready to start  
>making copies for individuals. As Chuck mentionned, you can:

Ditto here!

72/73 de WB8RCR <http://users.tm.net/jjmcd/>  
didileydadidah QRP-L #1446 Code Warriors #35

-----  
Date: Tue, 25 May 1999 16:46:45 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: "John J. McDonough" <wb8rcr@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [41343] Re: IC-706 MkII bracket  
Message-ID: <374B3665.9AD4CFEF@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dunno. Mine came with the rig.

Phil

"John J. McDonough" wrote:

>  
> >Part is MB-62. \$25.95 in AES catalog.  
>  
> Yeah, that's what mine said, too. Wasn't that thing about half that price a  
> year ago?  
>

> 72/73 de WB8RCR <http://users.tm.net/jjmcd/>  
> didileydadidah QRP-L #1446 Code Warriors #35

-----  
Date: Tue, 25 May 1999 16:51:01 -0700  
From: Mighty Mik <mitymik@hooked.net>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [41344] Valor Enterprises  
Message-ID: <374B3757.FE08D588@hooked.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Valor at present doesn't appear to have a URL...they used to on Thomas Registry...Pro-Am is one of their lines (stick type antennas)  
They are located in Piqua, Ohio

--  
@@  
72/73 de Mick, WD8MNV/6 QRP-L #1673 QRP-C #118 ZOMBIE #441  
NC20 SWL40+ ZM-2 DSP-3 rocket scientist and a 6 meter wanna be.  
Aeropac #111 Tripoli #3071 Level 2

-----  
Date: Tue, 25 May 1999 17:50:26 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: purdic@integritynet.com.au  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [41345] Re: Not QRP - exactly  
Message-ID: <374B3742.10147E@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

So who is playing quarterback?

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Date: Tue, 25 May 1999 18:01:38 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: lha@sdr.utias.utoronto.ca, qrp-1@Lehigh.EDU  
Subject: [41346] Re: >How to Grow a Hobby< (short)  
Message-ID: <374B39E1.33F8ACF1@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Laura

I apologize for not being more specific when I am pitching my ElmeRadio project. In my presentation to the local ham club I placed a great deal of emphasis on Girl Scouts, daughters, granddaughters, nieces, etc. With two daughters at home I could get in real trouble for not mentioning "half of the human race". My oldest wants to be a lawyer. You should witness some of the interrogations I go through when she feels she has been treated unfairly!

When they are ready, I owe your nieces a couple of kits.  
Sorry.

Bruce kk7zz

-----  
Date: Tue, 25 May 1999 20:16:29 EDT  
From: PUNISHER3@aol.com  
To: QRP-L@lehigh.edu  
Subject: [41347] I've got the Valor Pro-am URL --->  
Message-ID: <21e87bb6.247c975d@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello,

After searching the internet for quite a long time, i finally came up with the Valor site, but it is temporarily "out of service." For some reason, the page is not available at the time, But i would keep this site in your bookmarks for the future when they get it back up and running. It is <http://www.valor.thomasregister.com/olc/valor/>

73,

Ben  
NW7DX

-----  
Date: Tue, 25 May 1999 19:20:54 -0500  
From: Michael Melland <badger@vbe.com>  
To: qrp-l@Lehigh.edu  
Cc: cw@qth.net  
Subject: [41348] AEA MM-3 Morse Machine  
Message-ID: <374B3E66.6971@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Anyone have any comments on the MM-3 Morse Machine ? I just got what I think was a pretty good deal on a nice used one..... geeze !! It has a 48 page manual ! Quite the keyer +....

73

--

Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal  
CW, SSB, and Electronics  
List Administrator: grundig@qth.net  
<http://www.qsl.net/w9wis>

-----  
Date: Tue, 25 May 1999 19:45:16 -0500  
From: The Boices <boice@bigfoot.com>  
To: qrp-l@Lehigh.EDU  
Subject: [41349] Study guide opinions  
Message-ID: <3.0.6.32.19990525194516.00927af0@mailbox.arn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Any opinions on the different license study guides out there, specifically for the Extra Class? I haven't actually seen any of them, but I know ARRL and Gordon West each have guides. Anyone here used either? Satisfied with depth and quality of explanations? Any other brands?

The spring semester is over now, and my summer classes aren't going to amount to much. I figured it's as good as time as any to work on getting my Extra.

73,

Mike Boice, KW1ND  
Canyon TX  
QRP-L # 576

-----  
Date: Tue, 25 May 1999 18:28:34 -0700  
From: neil <neil@aaade.com>  
To: edkess@epix.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [41350] Re: LM386 Motor-Boarding Help Please  
Message-ID: <374B4E42.587D077B@aaade.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed.

This can often be cured by putting a large filter capacitor (100-1000ufd) across the power pins of the LM386. It is sometimes necessary to decouple the LM386 from the rest of the circuitry by using a small resistor followed by a large capacitor.

The motorboating is caused by feedback from the power supply line being modulated by the LM386, and the circuits providing the input to the LM386.

You have to eliminate the feedback by either eliminating the modulation, large filter capacitor, or by preventing the modulation from getting to the rest of the circuit, decoupling network.

--

Neil  
<http://www.aaade.com>  
<mailto:neil@aaade.com>  
Almost All Digital Electronics  
1412 Elm St. SE  
Auburn, WA 98092  
253-351-9316

Date: Tue, 25 May 1999 18:35:44 -0700  
From: Norm Melick <henmel@worldnet.att.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [41351] Desert Rat  
Message-ID: <374B4FF0.98F9805E@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I built the Desert Rat, using the schematic found on the Norcal page.

I'd like to hear from other "rats". Specifically:

1. Did it work when you powered it up?
2. What modifications, if any, did you do?

To start it off, I tell you about mine.

I built mine on the big RS Perf board. When I powered it up, I had the infamous motor boating. Since I just got done building some Ramsey kits, (never again), I went to Paul Harden's book, removed C15, replaced R17 (15K) resistor with a 100 ohm resistor and tied one end to ground, and the other to the + side of C17, just like his diagram in the book said to do. Then I changed C14 to a 100uF.

The motor boating stopped, which was the good news. The bad news is that my receiver doesn't hear to well. I can tell from years of using my Knight Space Spanner and Star Roamer, that it is trying, but I can't make much out, yet.

L1 was wound to specs., using a 35mm film canister. The inductance, as measured on my AADE L/C IIB, came out to 15.56uH. I am using the 24TR222 polycaps from mouser. They measure out to 13.6uH for the low end, and 154uH for the high end. Using the formula:  $F = 1000 / (6.2832 \times \text{SQRT } L \times C)$ , I get a frequency range of 3.25 - 10.9 Mhz.

We'll see.

I used three transistors for the 2 volt regulator. I measured 1.7 volts at the collector of Q6, so I added another transistor to the circuit. Now I get 2.1 volts at the collector of Q6, with the 100K pot at max, and .556 volts with the pot at minimum resistance. Regen starts at about .665 volts, (you'll hear a little "pop") and drops out

just short of the max setting of the pot, about 2.0 volts.  
I verified this by watching the regen kick in and out on my  
scope. Looks neat.

So there you have it.

It powered up fine, good looking signals on the scope, zero  
motor boating, kind of deaf.

Next?

72,

Norm/KQ6SD

-----  
Date: Tue, 25 May 1999 19:47:21 -0600 (CST)  
From: Bruce Ratray <ratray@gpfn.sk.ca>  
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>  
Subject: [41352] PROVINCIAL FLOWERS (fwd)  
Message-ID: <Pine.LNX.3.95.990525194558.30262B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...and of course I left one out....the Arctic Poppy for Nunavut....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada  
Amateur Radio Stamp Collector "QRP! How sweet it is!"

----- Forwarded message -----

Date: Tue, 25 May 1999 16:26:03 -0600 (CST)  
From: Bruce Ratray <ratray@gpfn.sk.ca>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: PROVINCIAL FLOWERS (fwd)

For those of you who are enjoying chasing Canadian Flower stations in the  
Canadian QRP Spring Bouquet operating event, which ends May 31/99 and will  
run again next year, here is a list of the provincial/territorial flowers  
for your reference...some of us are trying to plan a small expedition to  
the province of Manitoba before the year is out to put it on for the SB  
event....thanks for the list Earl!....we'll keep you all posted!...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada  
Amateur Radio Stamp Collector "QRP! How sweet it is!"

\*\*\*\*\*

Provincail Flowers are:

British Columbia.....Pacific Dogwood

Alberta.....Wild Rose

Saskatchewan.....Prairie Lily

Manitoba.....Prairie Crocus

Ontario.....White Trillium

Quebec.....White Garden Lily

Nova Scotia.....Mayflower / Arbutus

New Brunswick.....Purple Violet

Newfoundland.....Pitcher Plant

Prince Edward Island....Lady's Slipper

Yukon Territory.....Fireweed

North West Territories..Mountain Averis

\*\*\*\*\*

-----  
Date: Tue, 25 May 1999 21:01:18 -0500

From: "John Russell" <longjohn@qconline.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [41353] Re: >How to Grow a Hobby< (short)

Message-ID: <007b01bea71b\$a551a720\$259ef8d0@longjohn>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Given the age group you are working with you may want to stick to a simpler circuits such as crystal receivers which can be breadboarded on a wooden base using Fahnstock clips thereby eliminating the need to solder. You could even make an amplified crystal set using this method and a couple of

transistors for amplification and also easily expand on the circuit using this method. You might want to check out these webpage for some ideas;  
<http://www.ybi.com/brink/qrp/index.html>,  
<http://www.ybi.com/brink/qrp/receiver.html>. And also here  
<http://www.midnightscience.com/> scroll down the page and look for Quaker Oats Box and Cigar Box Crystal Set. The cigar box one is especially of interest because the coil is wound around the edge of the box and then the tuning cap, etc. are mounted inside and easily accessed by opening the lid to the box. You can use a 2K to 8 ohm audio transformer on the output of any of these circuits so you can use modern low impedance headphones with these circuit. I believe the transformer is still stocked at Radio Shack. The high impedance headsets needed for crystal sets are rare and somewhat expensive these days. I built several receivers like this with my nephew when he was 10 including one in a matchbox which had a couple of pieces of ferrite loopstick from an old AM receiver on the inside, the coil wound on the outside and was inductively tuned by sliding the matchbox cover in and out. That was definitely the favorite mainly because of the small size. I also took the audio transformer described above and mounted it in the earpiece of a cheap set of headphones, thereby making it into a high impedance headset, so we could build several crystal sets and not have to buy an audio transformer for each project.

Does anyone remember the "Quaker Oats" crystal receiver that used to be in the old Cub Scout Handbook? That was the first receiver I built back when I was 9 or 10 and I was so proud of it. It was the beginning of a lifetime interest in radio and electronics for me.

John Russell

----- Original Message -----

From: Dave and Connie <dmatt@frontiernet.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, May 24, 1999 7:48 PM

Subject: Re: >How to Grow a Hobby< (short)

"Mike Silva" <mjsilva@jps.net> wrote:

>

>BTW, he's about to move from Tiger Cubs to Cub Scouts. Is there still a  
>merit badge for Morse?

>

No, grump, grump, bitch, bitch. There is a boy scout radio merit badge but you have a few years for that. I am a Webelos den leader currently. The pack loves it. I have one son that will hit Webelos 2 next year when the other one starts Tigers.

They boys did light up when I started off the year with the Communicator pin. I tossed a TS-820 on the table with a 10 meter mag mount on it. That gave them a little morse to listen to. I also had a HTX-202 and had set it up on the local repeater. I also had a computer, cell phone, magazines, and newspaper.

One of the kids was actually interested in radio. I am not too sure if any read the newspaper.

Now I have to come up with an electronics kit of some sort for them to build. Any suggestions for something in the \$2-5 range?

Dave  
KB2YWT - Pack 76, York, NY

-----  
Date: Tue, 25 May 1999 21:46:44 -0400  
From: KM3D <bump-km3d@redrose.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [41354] CW TenTec QRP Rig (please help?)  
Message-ID: <374B5284.649E6B09@redrose.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

Hey Guys,

A 'long-lost' friend found my webpage and sent a very welcome e-mail to me. After 'more than a few' years of in-activity, there's a chance we'll hear his DX call again, but he could use just a little help (QRP, of course).

If you've built one of the TenTec CW kit rigs, Paul would sure like your comments (and we just gotta get him onto this list!). His e-mail address is at the end of the message extract I've included.

Thanks es 73,

Harry, KM3D

-----  
CT1ZC wrote:

I just got the CW / QRP itch again and ordered the 30 meter QRP from Ten-Tec -it s working fine build it myself, of course) except that, at



night, when the band is full of strong signals, the first hit at the key will raise heck when it comes back to reception - the background noise increases madly and sunks down the ham signals. This abnormal background noise, which seems a bit like "out of band broadcast signals and noises" will disappear after some time (10 or 15 minutes or so) leaving the impression some capacitor gets charged by RF or just plain dc and will cause the problem till it dicharges. It seems the AGC goes mad.

I have the know how to look for the problem - I just don t have the time... so, if you hear of someone with the same problem, you tell me about it (the solution, that is).

Paulo, CT1ZC  
burnay.radcom@mail.telepac.pt

-----  
Date: Tue, 25 May 1999 22:06:27 -0400  
From: KM3D <bump-km3d@redrose.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [41355] 2n2/40 prep (sort of...)  
Message-ID: <374B5722.E741DE87@redrose.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hey Gang,

I've been watching and reading about this 2n2/40 rig and thought I ought to 'experiment' a little before diving in....

This past weekend I dug into my junkbox (actually a whole quarter of the furnace room) and emerged with all the parts to build the 'Tuna Tin 2' transmitter.... So I emptied a small can of smoked salmon (imported from Eyak Packing in Cordova, Alaska) and after dispatching of the contents, accompanied by suitable beverage, I cut a piece of pc board to fit the top of the can, and built my 'Manhattan-Style Tuna Tin'.

The only pc board I've got is fibreglass backed; the hollow punch didn't do well at all, but cutting it into strips with the hacksaw, then pinching off pieces with the diagonal cutters yielded good (and easy to make) pads. Construction went very easy; I worked directly from the schematic, gluing and soldering as I went..... finished getting it all wired up by about 11:30 Sunday night.

When power was applied, it worked! Yeah, I know it was almost midnight, with Monday morning approaching, but couldn't resist. I called CQ with a 7.040 MHz crystal in place, and after about three calls, got an answer from KA8KGY in Michigan (I am in eastern PA). I gave him 100 watts a 599; and he returned with a 589 report!

This evening I finally got a second chance to look at my 'Manhattan Tuna Tin' and put it on the WM-1 wattmeter..... measured power output was 50mw! NAW, checked again.... confirmed - 50mw. Unbelievable (I've never before worked below the 900mw level).

NOW I'm ready to build the 2n2/40 - ain't QRP great?

73,

Harry, KM3D

P.S. I took a couple of pictures and hope to get them up on a page somewhere for you guys to see this beastie.

-----  
Date: Tue, 25 May 1999 21:07:49 -0500  
From: Chuck Adams <adams@ticnet.com>  
To: badger@vbe.com  
Cc: qrp-l@lehigh.edu  
Subject: [41356] Re: AEA MM-3 Morse Machine  
Message-ID: <3.0.3.32.19990525210749.0068f190@pop3.ticnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Michael,

Congratulations on the find. And make sure that you never ever lose the manual. That alone is worth more than the MM-3. :-)

I have one MM-3 now sitting on the kitchen table going night and day. :-) At first that might sound crazy to the group at large but hear me out. I bought this one at HamCom with a Bencher paddle. I thought it had a thermal problem so a few days ago in arranging things on the shelves that people know about in the background of some photos I took this MM-3 down to operate until I see if

it fails again for a week or so. If it passes the test then I'm going to sell it as I am about to lighten the load. But only after I get a group photo of everything to put on the web.

One of my favorite modes is the practice QSO mode whereby you can leave the machine alone and it carries on two way QSOs until you power it off or change modes. Or, for the new people you can attach your favorite paddle and carry on a QSO with stations, either by calling CQ yourself or letting someone else call CQ (like there is someone in the machine?). It makes for good practice at any speed. And the most important thing that keeps it from getting boring is the fact that for each station you get a different tone, which I consider important practice. And did you notice that the programmer had a sense of humor by putting the "dit dit" at the end of some QSOs?

Since to the best of my knowledge there is not a keyer at the present time that has all these functions, the MM-3 is a rare find. I'd have thought by now someone would sit down and do a clone with some of the new processors..... YACK - yet another club kit

Speaking of the manual. I found the folder but no manual, so it's lying around on a shelf somewhere and I have to go chase it down again.

Look at the beacon mode. It is great for sending CQ and you sit back and wait for the stations to call you.

Enjoy,

dit dit

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo> CP-60

-----  
Date: Tue, 25 May 1999 21:19:38 -0500  
From: jmbrown@edge.net (JERRY BROWN)  
To: qrp-l@lehigh.edu  
Subject: [41357] basic receivers  
Message-ID: <374B5A3A.63C7@edge.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Some of you may have a stack of BOYS' LIFE from the 50's and 60's in your

attics. I remember there was the occasional receiver project to be found in this scouting periodical. The receiver I wanted to build required a \$7 dollar transistor and that was beyond my financial means in 1961.

It sure would be neat to see the old BOYS' LIFE radio circuits resurface!

72,

Jerry N4EO

-----  
Date: Tue, 25 May 1999 20:24:13 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [41358] SB - VE3ELA -  
Message-ID: <Pine.LNX.3.95.990525202138.371A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've been listening for Ken, VE3ELA, flower station for Ontario and nothing so far.....anyone else heard him?.....7.040+/- 0100-0300Z May 26th.

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada  
Amateur Radio Stamp Collector "QRP! How sweet it is!"

-----  
Date: Tue, 25 May 1999 22:52:35 -0400  
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>  
To: qrp-l@lehigh.edu  
Subject: [41359] MV2115 varicap & 4.915MHz crystal sources  
Message-ID: <3.0.1.32.19990525225235.006dcd14@mail49.cwix.com>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

Gang....it has come to my attention that folks are having trouble locating the MV2115 varicap diode used in the 2N2/40. I just checked Allied Electronics, and they only have one. I'd suggest trying Dan's Small Parts, and this URL:

<http://www.kenselectronics.com/lists/orig.htm>

that I just visited, and he seems to have both the MV2115 and the MVAM109. I believe Dan also stocks these parts.

Dan's also has a parts kit with all of the hard to find parts, including the toroids for \$10.50, I think it was. He also has crystal sets, but I don't know how well they work in the design nor the quality of the crystal used.

My rigs use Dale crystals, which I've found to be the best around, and usually the lowest price. Allied doesn't have a stock of these at the present time, and I'm under the impression that Mouser is also out. They must all be going into K2's! :-)

Sorry for the rambling, but it seemed important to those trying to find parts for their 2N2/40 builds.

72 and happy parts chasing.....Jim, K8IQY

-----  
Date: Tue, 25 May 1999 23:09:39 -0400  
From: olyellr@iglou.com  
To: rattray@gpfn.sk.ca, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [41360] Re: SB - VE3ELA -  
Message-ID: <3.0.5.32.19990525230939.00803a20@pop.iglou.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:24 PM 5/25/99 -0600, Bruce Rattray wrote:  
>I've been listening for Ken, VE3ELA, flower station for Ontario and  
>nothing so far.....anyone else heard him?.....7.040+/- 0100-0300Z May  
>26th.  
>

Nothing here at 0250 Bruce,.....good band condx's, no QRN for a change.

Drat....I've been retuning/peaking my OHR500 and forgot about him 'til I saw your message so I had ten minutes to look for him. Hate to know I missed the last CW 'Bouquet station.....arrrggghhhhhh!!

Hope you and a lot of others worked him though!

Sure has been a lot of fun and I know I'll miss the 'Bouquet.....Thanks a bunch to you and all the 'Bouquet ops for a nice run!

GB es 72,

Mike

-----  
de AF4LQ  
FISTS ARCI QRP-Canada QRP-L  
99% CW....for the pure JOY of it!  
<http://members.iglou.com/olyellr/>

-----  
Date: Tue, 25 May 1999 23:18:16 -0400  
From: n5bi@juno.com  
To: qrp-l@Lehigh.EDU  
Message-ID: <19990525.231824.8502.1.n5bi@juno.com>

The Carolina CW OPS are having a qrp/battery power Field Day this year.  
Anyone interested in operating with our group please contact  
n5bi@juno.com. Our Field DAY QTH this year will be Iron Station, NC. We  
will be operating 3A battery/solar powered with 3 towers/monobanders.

Should be a good time..

Thanks,  
Gary  
N5BI

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Tue, 25 May 1999 23:46:40 -5  
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>  
To: qrp-l@lehigh.edu  
Subject: [41362] Rochester hamfest  
Message-ID: <199905260345.XAA23132@sparticus.bright.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Today I was able to firm up plans to attend the Rochester Hamfest. I will be  
in the outside Flea market on Saturday and Sunday. I will have a supply of  
DK9SQ collapsable fiberglass masts and antennas along, and will set one  
up for anyone to try - bring your qrp rig!

I will also have a supply of kits with me.

Hope to see a LOT of QRP'ers there!

73 - Bill - N8ET

Kanga US

kanga@mail.bright.net

<http://www.bright.net/~kanga/>

419-423-4604

-----  
Date: Wed, 26 May 1999 04:15:39 +0100  
From: Peter Larsen <larsenp@cadvision.com>  
To: earlmurf@telusplanet.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [41363] SPRING BOUQUET ---  
Message-ID: <374B675B.F41C8A92@cadvision.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi All:

I just spend a long week end out in BC. One of our members wore his QRP-Canada T-shirt. (VE6EY) This is a good looking shirt!! As I am sure I am out of the running for the best DX in the spring-b I guess I will have to buy one. Can any one let me know how to go about ordering one? I need an XL to fit my rotund shape.

--

72 es have fun

Peter

VE6YC D021wc

-----  
Artificial intelligence is no match for natural stupidity.  
-----

-----  
Date: Wed, 26 May 1999 00:31:45 -0400  
From: Michael C Boatright <ko4wx@mindspring.com>  
To: QRP-L <qrp-1@Lehigh.EDU>  
Subject: [41364] QRPTTF SPC's Count Towards QRP WAS?  
Message-ID: <374B7931.1657C96F@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I've finally gotten around to filling out some QSL cards from the past few months of QRP operations. Does a QRPTTF contact with a border operation count towards QRP Worked All States? Specifically, if I worked KK6MC/5 at the Four Corners, can I claim NM, AZ, CO, and UT towards QRP WAS?

TNX es 72 de Mike, K04WX

--

Mike Boatright, K04WX  
Amateur Radio Emergency Service,  
District Emergency Coordinator to Georgia Emergency Management Agency

-----  
Date: Tue, 25 May 1999 22:06:38 -0700  
From: Jim <w7ls@blarg.net>  
To: qrp-l@lehigh.edu  
Subject: [41365] [Fwd: Solar panel info that qrp-l asked for  
Message-ID: <374B815E.57977E26@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gangue,

I got a reply from the company that produces the solar panel that was the topic of discussion, last week. Here it is.

73 de Jim W7LS

Snippity, snippity, etc.....

"Thank you for your interest in United Solar Systems Corp., and our unique  
Triple Junction Technology products.

For pricing and purchasing information on our framed and flexible solar panels, please contact our distributor, Golden Genesis at (800) 544-6466.

Again thank you for your interest in United Solar Systems Corp. Should you



have any further questions or comments, feel free to contact me via e-mail.

Sincerely,  
Angela Palmieri-Burton  
Marketing Administrator"

-----  
Date: Wed, 26 May 1999 00:26:34 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Michael C Boatright <ko4wx@mindspring.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [41366] Re: QRPTTF SPC's Count Towards QRP WAS?  
Message-ID: <Pine.SUN.4.10.9905260008020.4816-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 May 1999, Michael C Boatright wrote:

> I've finally gotten around to filling out some QSL cards from the past  
> few months of QRP operations. Does a QRPTTF contact with a border  
> operation count towards QRP Worked All States? Specifically, if I  
> worked KK6MC/5 at the Four Corners, can I claim NM, AZ, CO, and UT  
> towards QRP WAS?

The "reading" we got from the ARRL last year, is you must submit a QSL card for each state. Thus, in QSLing a QRPTTF border station, request which state(s) you need QSL'd, so they in turn can send you a QSL for the state(s) you request.

For example, in the case of Jim KK6MC, his QSL card will say New Mexico on it. If you need Utah and Colorado QSL'd from his border operation, he would have to send you two QSL's, adding "mobile Utah" to one, and "mobile (or portable) Colorado" on the other. I'm sure Jim (or anyone) would appreciate an SASE.

I think all 3000 subscribers on qrp-l should send Jim a request for all 4 QSL's, just to see how he in fact does handle it! :-)  
(Just kidding!)

Speaking of Jim Duffey KK6MC, a.k.a. Dr. Megacycle, he, Doug Hendricks and I will be flying together from Albuquerque to Dallas for HamCom. Doug is flying into ABQ friday; the 3 of us will meet for dinner and then catch our flight to HamCom later that evening. And the strangest thing, is how we just happened to end up on the same flight purely by coincidence. Think of the odds of that! OK, maybe it was planned a bit :-) We also hear Tim Pettibone K50I will be flying in from El

Paso to join us at HamCom as well. Getting to be a growing crowd.  
And half of us (at least) are bringing regens.

Oh yeah, this was supposed to be about QSL's. I guess a strayed off  
topic a bit. Hope I answered the QSL question in there somewhere.

72, Paul NA5N

-----  
Date: Tue, 25 May 1999 11:31:43 -0700  
From: Thomas Kuehl <ac7a@uswest.net>  
To: kd5ako@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [41367] Re: FD Sites in Tucson, AZ?!?!?  
Message-ID: <374AEC8F.C433AA24@uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Justin:

I don't have all the details, but I can tell you that a number of Tucson radio clubs do operate Field Day. And although I am usually a lone set-up on Field Day, I have visited some of their Field Day sites in the past. A couple of clubs are affiliated with local corporations like IBM (either W7IBM, or K7IBM) and Raytheon, and I am not sure if they are open to guest operators. Other clubs are open to anyone and are probably more accessible to visiting operators. Two clubs that I know of are The Radio Society of Tucson (K7RST) and The Old Pueblo Club. I know RST runs a multi-station set-up, and I think Old Pueblo does as well.

Since it can be a real cooker down here in the valley, often 110 F or better, most of the Field Day stations operate from high up in the Santa Catalina Mountains (Mt. Lemmon) just a few miles north of the city. It is usually in the 80's up there in the pines. Every group sets up at their long established site, a few miles apart, and then proceeds to blast one another out. Except me; I retreat to a campground, operating 1B class (QRP). I don't blast anybody.

I think RST is a good bet. They usually operate beyond the ski lodge, up by the big observatory and heliport at the end of the Mt. Lemmon Highway (9K+ elevation).

Anyway, if I come up with some more info, I will pass it on to you and your buddy.

Regards, Thomas - AC7A (Tucson)

Justin McAllister wrote:

> Hello everyone, I am looking for a Field Day site for a friend who just got  
> his Tech Ticket, but is leaving Texas for June to visit family in Tucson,  
> Arizona. From what I have told him about Field Day, he wants to attend one  
> out there in AZ, since he won't be back in TX in time for ours. A list of  
> any and all Field Day sites in and around Tucson would be very helpful, so  
> that he can find one close to his home, b/c he may be out of a car. Thanks  
> for the help, and I look forward to seeing a lot of ya'll in Arlington at  
> HamComm!

>

> To all those who know me by KD5AK0, my call has changed to K5AEA, and thats  
> the call on my Advanced ticket. Got the Extra written out of the way, and  
> trying to find time for the 20 wpm code, I'm going to graduate HS in a week,  
> and things are hectic to say the least!

>

> Thanks and 72 73 from the Lone Star State!

>

> Justin McAllister, K5AEA

> qrp-l

> Norcal

> Arrl

> Many others

>

>

> -----  
> Get Free Email and Do More On The Web. Visit <http://www.msn.com>

-----

Date: Tue, 25 May 1999 01:46:03 -0500

From: "Charles Hamel" <cdhamel@pdq.net>

To: "QRP List" <qrp-l@Lehigh.EDU>

Subject: [41368] Battery Pack

Message-ID: <000d01bea67a\$44444ba0\$3a1890d1@cdhamel>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I recently lost my harddrive and all my favorite websites, I had a page saved that told how to build a battery pack for a QRP station, using parts from Radio Shack (Nicads).

If anybody knows of what site this is please send me email!

Thanks to all

73's

Charles

KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919

<http://www.angelfire.com/de/kc5dxq/index.html>

-----  
Date: Wed, 26 May 1999 01:07:55 -0700

From: Jim <w7ls@blarg.net>

To: cdhamel@pdq.net, qrp-l@lehigh.edu

Subject: [41369] Re: Battery Pack

Message-ID: <374BABDA.F371BD68@blarg.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi, Charles. I don't know if it was my suggestion or not, but here goes: Get a couple of D cell holders that carry 4 cells, each. That makes 12 volts. Use a liberal amount of duct tape and lash them together. Add another D cell holder that holds two cells, if you want more like 15 volts (no load). Many rigs shut down, just a little below 12 volts. If you only start with 12 volts, you don't get much lifetime.

Put a hunk of black electrical tape around the whole mess, to keep the cells from falling out of the holders. Now, go to the local Army/Navy surplus dealer and get a magazine holder for an M-16 that is supposed to hold 3 30 round magazines. These are as common as dirt and cost under \$5. Cut the two little straps that are inside, that act as separators between magazines. Now you can slide your battery pack inside and you'd swear it was designed just for batteries!

I forgot to mention that you need to attach the power leads, with a fuse holder, to the battery holders, while you are going wild with the duct tape.

There is sufficient room, after you lash this stuff up, to coil up the power cord up on top of the batteries, so you can neatly close up the whole thing. It comes with a pair of clips, so that you can wear it on your belt, if desired.

This makes a really rugged, compact 12 volt source. Cram nicad D cells in there, alternatively. 73 de Jim, W7LS

Charles Hamel wrote:

> I recently lost my harddrive and all my favorite websites, I had a page  
> saved that told how to build a battery pack for a QRP station, using parts  
> from Radio Shack (Nicads).  
> If anybody knows of what site this is please send me email!  
> Thanks to all  
> 73's  
> Charles  
> KC5DXQ - Norcal Zombie - HQRP- QRP-L #1919  
> <http://www.angelfire.com/de/kc5dxq/index.html>

-----  
Date: Wed, 26 May 1999 03:25:58 -0500  
From: "John Russell" <longjohn@qconline.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [41370] Re: [Fwd: Solar panel info that qrp-l asked for  
Message-ID: <000901bea751\$628ab680\$979cd8d0@longjohn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Found a website for Golden Genesis <http://www.goldengenesiis.com/index.html>  
Haven't had a chance to check it all out yet, but it looks like they carry a  
complete line of solar products.

John

----- Original Message -----

From: Jim <w7ls@blarg.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Wednesday, May 26, 1999 12:06 AM  
Subject: [Fwd: Solar panel info that qrp-l asked for

Gangue,

I got a reply from the company that produces the solar panel that was  
the topic of discussion, last week. Here it is.

73 de Jim W7LS

Snippity, snippity, etc.....

"Thank you for your interest in United Solar Systems Corp., and our  
unique  
Triple Junction Technology products.

For pricing and purchasing information on our framed and flexible solar panels, please contact our distributor, Golden Genesis at (800) 544-6466.

Again thank you for your interest in United Solar Systems Corp. Should you have any further questions or comments, feel free to contact me via e-mail.

Sincerely,  
Angela Palmieri-Burton  
Marketing Administrator"

-----  
Date: Wed, 26 May 1999 10:33:05 +0100  
From: brian\_jones@uk.ibm.com  
To: qrp-1@Lehigh.EDU  
Subject: [41371] Re: >How to Grow a Hobby<  
Message-ID: <8025677D.003478A6.00@d06mta03.portsmouth.uk.ibm.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I thoroughly commend Bruce's effort for his regen kits. We've done some work over here with both Boy and Girl Scouts (Guides in the UK). Long - if you want to skip please read last paragraph.

One VERY simple project for younger kids. Get a regular FLASHING LED - these are current limiting so can take direct connection to 9v. Solder to a 9v PP3 battery snap. Now take a 35mm film case (the plastic tube with lid not the metal film enclosure). A PP3 battery fits snugly inside. We've made a couple of variants - print a clown (or cartoon character face) on an address label that is the right size to wrap completely around the canister (don't know the Avery no.) and poke the LED through the canister where the nose is (ie LED wires on the inside with flashing bit poking outside) - an instant flashing nose clown - works best if the label is an outline the kids can colour. Another variant, poke 2 small holes in the lid and have the LED on top - can use coloured transparent plastic to produce flame effects for campfire etc. Make a dragon with two or more canisters etc. No on-off switch needed as current drain is low enough to make even cheap batteries last a couple of weeks.

I just spent a Saturday training some Girl Scout leaders in very simple

projects including flashing LED. Others included a no-solder Q&A game. Get legal paper size card (or A4) and attach split brass paper fasteners down either side. Cross wire in pairs in a random fashion. Make a couple of probes from old Bic refills or plastic aquarium syphon tube with brass fasteners as contacts on the end and wires wrapper to 9v batter snap and buzzer. Now make a Q&A sheet with questions on left and answers on right such that correct answer is where the wiring is crosswired and a great game for young kids. If the card is covered with transparent plastic the questions can be on paper and slid in between so multiple sheets can be generated. Going do one of these for common Q codes and country codes for next kids Ham event we do. Also made a similar Q&A game based on rotating a pointer on a magnet on the question side. On the answer side a hidden magnet would rotate the pointer automatically to the right answer (anyone remember 'Magic Robot', 'Magic Professor' form the early sixties?). All simple stuff but the leaders can take back to use with their units.

Next session in October will be some basic electronics. Trying to find screw together kits (in terminal block). The UK Novice exam has a wonderful no solder (except fly leads on batteries, tuning cap etc) AM radio based on the ZN414. I've made over 100 of these with kids and everyone has been a hit. I think I may have found a limited source of ZN414s (and no I won't reveal it until I can get my order delivered and sufficient stocks for the next couple of years !!). Another idea is a plant water indicator based on the soil resistance across a couple of probes and a simple 1 transistor switched LED. Can use a reed switch instead of probes and a buzzer instead of LED and make a burglar alarm. Another idea is to use some of these melody generators found in Greetings Cards. Can get 3 legged ones here in the UK that run of 1.5 or 3v so ideal for no-solder.

APPEAL FOR IDEAS - looking for no (or limited) solder ideas to help teach the leaders to make things with the kids. DIL ICs are probably out but 3 legged devices (transistors, ZN414 etc) screw nicely into terminal block as do 2 legged resistors, caps, LEDs. Don't mind pre soldering fly leads on batteries, speakers etc. So anyone got any good designs that I can use. I guess a simple Walkman audio amp (to make an active speaker) based on a couple of transistors should be easy as should bistables to make blinkies and audio oscillators (to go with clothes pin morse keys). What else????? No prizes but I hope to put together a kids electronics resource page on the web and will acknowledge all contributors. Don't rule out slightly more complex ideas (like the ZN414 radio) that we can use for Ham events like JOTA and TDOTA.

Brian - G0UKB - KB8YKJ

Brian E Jones

Technical Planner  
Java Technology Centre  
IBM Hursley

-----  
Date: Wed, 26 May 1999 05:44:35 -0600  
From: "Rod Cerkoney" <rlwc@frii.com>  
To: <boice@bigfoot.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [41372] Re: Study guide opinions  
Message-ID: <009f01bea76d\$b7117100\$c38611d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Mike, et.al.:

----- Original Message -----  
From: The Boices <boice@bigfoot.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Tuesday, May 25, 1999 6:45 PM  
Subject: Study guide opinions

> Any opinions on the different license study guides out there, specifically  
> for the Extra Class? I haven't actually seen any of them, but I know ARRL  
> and Gordon West each have guides. Anyone here used either? Satisfied  
with

I found the ARRL study guides to work well for me, I used the: Now Your Talking, General, Advanced & Extra guides and was able to get from zero to Extra in a year. I would skim through the book stopping to read material I was not familiar with. Then a few weeks before a VE test, I would work through each and every question in the back of the book. If I answered a question wrong, I'd go back to the referenced section/page, review the material. Then rework the question reviewing each option understand why each answer choice was either right or wrong.

If you need a study, I'll sell you mine. 1/2 cover price + shipping/mailling.



---

72/3 Rod, NØRC  
Fort Collins, CO  
arrl, qrp-l, qrp arc1, fists, norcal, cqz  
da di dah

-----

Date: Wed, 26 May 1999 08:10:18 -0400  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: qrp-l@lehigh.edu  
Subject: [41373] Help with QRPp subscription  
Message-ID: <v03102800b3719482a306@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Could someone let me know who at Norcal I should contact regarding my membership/subscription? I subscribed back in December but have not received my Winter QRPp although I did receive my welcome letter in January.

Email to 2 Norcal folks about this has gone unanswered.

Thanks and 72/73,

Rick kf4ar

-----

Date: Wed, 26 May 1999 09:05:51 -0400  
From: wgabriel@dukeengineering.com  
To: longjohn@qconline.com, qrp-l@Lehigh.EDU  
Subject: [41374] Re: >How to Grow a Hobby< (short)  
Message-ID: <8525677D.0047E7E2.00@dpinet01.dukepower.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Oh yea, John, I am "old enuff" to remember the Quaker Oats box radio - made them as a kid. Think our first venture though was the Fox Hole radios we read about from WWII. We never did get those to work very well though - don't think there was a powerful enough radio station nearby to make the pencil lead/razor blade "diode" work well.

Even after the Quaker Oats radios I remember when I was about 12 (circa 1960) when my grandparents gave me a neat crystal set kit -- it had a plastic case and a "real" diode!! Ah technology! Had to wind the coil and I remember the interesting part about this one was that the capacitor was fixed and the coil was tunable via a slider arrangement. Interestingly "backwards" from other designs I had tried.

A bit later I even ordered my brother and I "Rocket Radios" from Lafayette Radio in NY. They were little crystal sets built into a small rocket-shaped case. You pulled out the nose cone of the radio to tune it by varying a slug in the coil. It used a little crystal earphone as the speaker. Cannot remember the hours I spent going to sleep with this one -- no batteries to run down. Still wish I had it, but don't think it is still hidden anywhere at the parents house.

Memories - aren't they great! Just don't ask me about Chemistry sets and what you used to be able to do with the "good" ones they had when we are kids. And anyone remember match rockets or match guns? Ha!

Watson/WB4EXW

-----  
Date: Wed, 26 May 1999 06:06:11 -0700  
From: Jerry Haigwood <w5jh@swlink.net>  
To: qrp-l@lehigh.edu  
Subject: [41375] Az ScQRPions Home Brew Contest  
Message-ID: <374BF1C3.ADD874A9@swlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Gangue,

As ScQRPion Joe (AB7TT) recently pointed out, the Az ScQRPions will be having a Home Brew Contest as part of the QRP Symposium at the Ft Tuthill hamfest in Flag Staff, AZ. This contest will take place on Saturday July 24, 1999. The judging will be performed by QRP's best.

Chuck Adams, K5FO  
Paul Harden, NA5N  
Doug Hendricks, KI6DS

These fine gents will choose the winners of 4 categories (see rules

below). They will also choose a "Best of Show" winner. Prizes and Certificates will be awarded to the winners. The prize list will be shown later.

Now is the time to warm up those soldering irons. Hurry up and finish that 2N2/40 you've started. Get that squeezer....err regen receiver working or do something new. Our 4 categories allow you a lot of latitude in what you enter. More than one entry per person is allowed and encouraged!

We look forward to seeing you and your home brew project at Ft Tuthill.

73, Jerry W5JH

#### Home Brew Contest Rules

These are the rules for the QRP Home Brew Contest to be held at Ft Tuthill during the QRP symposium on Saturday, July 24, 1999.

1. The object of this contest is to entice you to home brew a QRP project. You may submit up to 10 home brew projects for judging. If you

have more, get your spouse to submit some of them. :-) Home brew is defined as something you built. It could include such items as a kit, your original design, someone else's design, from scratch, etc. Your entry has to be submitted - you just can't bring a picture of it. :-)

2. Submit your QRP entries to the contest administrator, Jerry Haigwood,

W5JH, and select one of four categories:

- A. Keys/Keyers/Paddles/Accessories/test equipment.
- B. XCVRs/XMITTRs/RCVRs
- C. Regen Receivers
- D. Ugliest thing you built that works

3. The entry cost is FREE!

4. Prizes will be awarded to the winner of each category and a Grand Prize will be awarded for the "Best of Show" entry. Certificates for the winners will be mailed out within 2 weeks after the show. Results will be posted to QRP-L for bragging rights.

5. Three judges will be used to determine the winners. Their decision is FINAL.

6. Persons submitting an entry should be prepared to discuss the design and construction of their entry. (Show and Tell)

7. Entries should be documented. Items such as a schematic, parts lists, assembly drawings, etc. will factor into the overall evaluation score. The more detailed, the better, but don't let the lack of documentation stop you from entering a cool project you did ten years ago!

8. You do not need to be present to submit your entry but we really want to see you at Ft Tuthill! If you will be submitting an entry by mail or UPS, contact Jerry Haigwood, W5JH by email: w5jh@arrl.net

#### Judging Criteria:

The entries will be judged using the following factors.

1. Is it QRP related?
2. Is it something useful for QRP radioing?
3. Is it something built recently? (Higher points awarded for recent construction)
4. Is the design solid?
5. Difficulty of the design.
6. Is the construction of good quality? (category 4 excepted!)
7. Does the unit do what it was built to do?
8. Is the unit well documented?
9. Any other criteria that the judges feel are important.

-----

Date: Wed, 26 May 1999 08:11:38 -0500  
From: "Bryan Turner" <turnerw@email.uah.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, jmbrown@edge.net  
Subject: [41376] Re: basic receivers  
Message-ID: <199905261310.IAA05356@email.uah.edu>

Lindsay Publications has some radio books along these lines.  
They reprint a lot of old radio books. Their web page is:  
<http://www.lindsaybks.com/>

They also have a lot of technical books (metal working, &c.) that  
are interesting. I have been a customer for years, and I've always  
been satisfied.

73 Bryan W8LN

> It sure would be neat to see the old BOYS' LIFE radio circuits  
> resurface!

-----  
Date: Wed, 26 May 1999 07:26:51 -0600 (CST)  
From: Bruce Rattray <rattrey@gpfn.sk.ca>  
To: olyellr@iglou.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [41377] Re: SB - VE3ELA -  
Message-ID: <Pine.LNX.3.95.990526072324.7402A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good Wednesday morning Mike...well I never heard VE3ELA so that's  
the way the cookie crumbles!...I have to go to a meeting tonight but I  
hope I'll be lucky enough to get home while Earl (VE6EWM) is still on 80  
mtr SSB as the last Flower station....I think he said he'll be around  
3.770....next will be our SB Manitoba Raid!...HI HI...thanks for being a  
regular participant Mike!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada  
Amateur Radio Stamp Collector "QRP! How sweet it is!"

-----  
Date: Wed, 26 May 1999 07:44:57 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Peter Larsen <larsenp@cadvision.com>  
Cc: Ken LaRose <kenlar@csolve.net>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [41378] Re: SPRING BOUQUET ---  
Message-ID: <Pine.LNX.3.95.990526073741.7402D-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Peter....Bonnie & I received the first QRP-Canada t-shirts that Ken produced and they are winners for sure!...I wore mine in public for the first time at the annual Moose Jaw Flea Market earlier this year and everyone liked it...I found myself answering questions about QRP-Canada... just get in touch with Ken La Rose, VE3ELA, and place your order with him...you can see his e-mail in the header here...Ken will supply you with price and any other details....pst - I ordered an XXL so don't worry about XL...HI HI....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada  
Amateur Radio Stamp Collector "QRP! How sweet it is!"

On Wed, 26 May 1999, Peter Larsen wrote:

> Hi All:  
> I just spend a long week end out in BC. One of  
> our members wore his QRP-Canada T-shirt. (VE6EY)  
> This is a good looking shirt!! As I am sure I am out  
> of the running for the best DX in the spring-b I guess  
> I will have to buy one. Can any one let me know  
> how to go about ordering one? I need an XL to fit  
> my rotund shape.  
> --  
> 72 es have fun  
> Peter  
> VE6YC D021wc  
> -----  
> Artificial intelligence is no match for natural stupidity.  
> -----  
>

-----  
Date: Wed, 26 May 1999 08:05:11 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Joel Malman <malman@world.std.com>  
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>

Subject: [41379] Re: SB - VE3ELA -  
Message-ID: <Pine.LNX.3.95.990526080304.7402F-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Joel...congratulations on working Ken!....nice to know he did make it on the air...I listened on and off for the 2 hours and didn't hear his signal....I did hear the digital stuff...and so it goes...HI HI...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada  
Amateur Radio Stamp Collector "QRP! How sweet it is!"

On Wed, 26 May 1999, Joel Malman wrote:

> Bruce,  
>  
> I worked Ken last night at about 0105z on about 7.042 KHz. Very bad QRM  
> here from the EU digital boys. I also heard Ken work NA1XX who lives about  
> 25 miles from me.  
>  
> --  
> /joel K1QM Concord, MA  
> QRP-L 337, QRP-ARCI 9305  
>

-----  
Date: Wed, 26 May 1999 10:05:49 -0400 (EDT)  
From: Chris Cartwright Sr <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [41380] Re: AEA MM-3 Morse Machine  
Message-ID: <Pine.LNX.4.04.9905260931580.1560-100000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 25 May 1999, Chuck Adams wrote:

> thing that keeps it from getting boring is the fact that for  
> each station you get a different tone, which I consider important

This is apparently a "new" feature in the MFJ-418. I bought a mew 418 at Dayton and you can set the QSO tone to "Random". It's good when they use 600Hz and 1000Hz, but at 200HZ I find myself reaching for the non-existant RIT :)

N3BYY has an older model 418 and the "random QSO tone" option doesn't seem

to appear on his. Wonder if MFJ offers a firmware upgrade...

72

```
-- Chris Cartwright,   Technical Engineer   |   ccart@phideaux.com   --  
-- N3XRV      ARRL-VE   Norcal Zombie #163   |   Gaithersburg, MD FM19je   --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

-----  
Date: Wed, 26 May 1999 10:07:30 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [41381] [RE]Mailing List Addresses  
Message-ID: <199905261008\_MC2-7725-43B1@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
                charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Gang:

Sorry this e-mail accidentally got reflected to the list. Nuts. Been distracted by the sudden death of my Mom, so must have inadvertently hit the wrong switch.

72,

```
--Doc Lindsey/K0EVZ  
DSBF  
PO BOX 7187  
Bismarck, ND 58507  
70511.3041@compuserve.com
```

-----  
Date: Wed, 26 May 1999 10:12:45 -0400  
From: "dor" <elbc@pivot.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [41382] New Kit on the way  
Message-ID: <000f01bea781\$d4fca720\$e51199d0@mine1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"



Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just thought I'd drop a not to everyone, since I've been asked several times on the air.

for about two weeks I've had the privilege of test driving a prototype of a new MFJ kit which is due out at anytime.

It's called the CUB

I've been using the Prototype of the model 9330  
specs. up to about 3watts , mine did about 2.75 Max  
reducible to 0 watts output .

nice qsk Cw only

superhet RX

first impression are that it will be a fun rig

should be ideal for the back packer too

Receiver is very quite, .2 uv sens.

Agc is good

strong signal handling ability seem good

recieve current draw 36 ma Tx full power 380ma @ 13.8v

believe it will be offered as a partial kit with surface mount components  
already mounted on the board ..

For what it's worth, I've worked 18 countries, 15 states in a little over 4  
hours of operating the rig.

Antenna being use is 3/2wave dipole.

I'm impressed so far and having a ball with the little rig

board on the prototype measures about 3 by 3.25 inches

nice filtering at centered at about 600hz, adjustable internally..

Looks like it will be a winner in my book

keep you eyes out for it .

73 & 72 Dave Kc1Di

-----  
Date: Wed, 26 May 1999 07:13:30 -0700  
From: Jim Boyle K6JMB <jmb@cruzio.com>  
To: QRP-1@lehigh.edu  
Subject: [41383] Re: AEA MM-3 Morse Machine  
Message-ID: <4.1.19990526071012.009a7cb0@mail.cruzio.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Nope - we have two of 'em - one with the newer firmware and one with older  
version. MFJ won't do anything about an upgrade - we checked. However, the  
HRO folks in Oakland and also the ones in Portland said they would replace it.  
We bought one in February and the other one in March of this year.

At 10:05 AM 5/26/99 -0400, you wrote:

>On Tue, 25 May 1999, Chuck Adams wrote:

>

>> thing that keeps it from getting boring is the fact that for  
>> each station you get a different tone, which I consider important

>

>This is apparently a "new" feature in the MFJ-418. I bought a mew 418 at  
>Dayton and you can set the QSO tone to "Random". It's good when they use  
>600Hz and 1000Hz, but at 200HZ I find myself reaching for the  
>non-existant RIT :)

>

>N3BYY has an older model 418 and the "random QSO tone" option doesn't seem  
>to appear on his. Wonder if MFJ offers a firmware upgrade...

>

>72

>

>-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --

>-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --

>-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

>

>

-----  
Date: Wed, 26 May 1999 10:23:51 EDT

From: WB9MII@aol.com

To: qrp-l@lehigh.edu

Subject: [41384] Shortened 40M antenna ideas ?

Message-ID: <4b2b4d0f.247d5df7@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hello,

Does anyone have any ideas for a shortened 40 Meter antenna I could homebrew ?

(The Hamsticks are a last resort as they cost money hi hi)....any and all

ideas gratefully received. TNX 73

Greg WB9MII

QRP ARCI 9719

-----  
Date: 26 May 99 10:26:21 EDT

From: Roy Lincoln <wa4dou@usa.net>

To: QRP-L@LEHIGH.EDU

Subject: [41385] FREE GELCELL BATTERIES  
Message-ID: <19990526142621.15828.qmail@nwcst060.netaddress.usa.net>

&--FooBarAaB03x--  
Content-Disposition: form-data; name="StationeryID"

&--FooBarAaB03x--  
Content-Disposition: form-data; name="Priority"

3  
X-Mailer: USANET web-mailer (M3.0.0.135)  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

HI GANG,  
THESE GEL CELLS ARE POWER-SONICS , 12 VOLTS @ 26 AMP HOURS.THEY ARE 5 Y= EARS  
OLD AND JUST REMOVED FROM A LARGE U.P.S. IN RECENT WEEKS. HALF OF THEM(A = TOTAL  
OF 20) APPEAR TO HAVE WORTHWHILE LIFE LEFT IN THEM AND ARE AVAILABLE TO A= NYONE  
WHO WANTS THEM. THEY ARE IN ROCKY MOUNT ,N.C.  
PLEASE DON'T ASK TO HAVE ONE SHIPPED TO YOU AS THEY ARE TOO HEAVY TO MA= KE IT  
ECONOMICALLY FEASIBLE TO SHIP. THIS IS A PICK-UP ONLY DEAL.  
YOU CAN CALL ME AT (252)972-1583 FROM 8:00 A.M. (EDST) TO 4:00 P.M. AND= AT  
HOME IN THE EVENINGS AT(252) 446-5764.  
73 ROY LINCOLN WA4DOU

&--FooBarAaB03x--  
Content-Disposition: form-data; name="3D"SignatureID"

-----None-----

-----  
Get free e-mail and a permanent address at <http://www.netaddress.com/?N=3D=1>  
1

-----  
Date: Wed, 26 May 1999 10:28:52 -0400  
From: Bill Cotter <bcotter@pop.uky.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [41386] FS: EX Uniden HR-2600 10m xcvr  
Message-ID: <3.0.5.32.19990526102852.00a1db30@pop.uky.edu>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

For Sale: Uniden HR-2600 in Excellent Condition  
in original box and packing.

Included are the up-down microphone, power cable assembly, operating manual, mobile mounting bracket, mic bracket and all associated hardware. This HR-2600 is serial number 95004768 (1995 mfg date) has been stored for the past several years and occasionally used when the band opens. Unit covers 28.0000 to 29.6999MHz in USB/LSB/AM/FM/CW modes with an output power of 25 watts and 10 watts on AM/FM. FM mode has repeater-split capability. This radio HAS NOT been modified in any manner, it is completely stock and works as new. Performance is outstanding with the band opening conditions we've had lately. \$185 plus shipping.

tnx es 73 Bill N4ALG  
bcotter@pop.uky.edu

-----  
Bill Cotter, N4ALG                      E-mail: bcotter@pop.uky.edu  
173 Carolyn Lane                      Home: (606) 887-5563,2402  
Nicholasville, KY 40356-9340      Work: (606) 323-6474

ARRL      ARCI #9878      QRP1 #1646      QCWA #29393      FISTS #4535  
-----

-----  
Date: Wed, 26 May 1999 16:36:15 +0200  
From: "David Reid" <dareid@Synopsys.COM>  
To: WB9MII@aol.com  
Cc: qrp-l@lehigh.edu  
Subject: [41387] Re: Shortened 40M antenna ideas ?  
Message-ID: <199905261436.QAA07416@goofy.gr05.synopsys.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Hi Greg,

checkout my website...

[Http://ourworld.compuserve.com/homepages/drcp/homepage.htm](http://ourworld.compuserve.com/homepages/drcp/homepage.htm)

for article on 40M linear loaded vertical which I designed and built - full instructions are included in the article...

(sorry all dimensions in metric HI...)

Dave  
PA3HBB / G0BZF

Date sent: Wed, 26 May 1999 10:23:51 EDT  
Send reply to: WB9MII@aol.com  
From: WB9MII@aol.com  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: Shortened 40M antenna ideas ?  
Originally to: qrp-l@lehigh.edu

> Hello,  
> Does anyone have any ideas for a shortened 40 Meter antenna I could  
> homebrew ? (The Hamsticks are a last resort as they cost money hi  
> hi)....any and all ideas gratefully received. TNX 73 Greg WB9MII QRP ARCI  
> 9719  
>

-----  
Date: Wed, 26 May 1999 09:40:20 -0500  
From: Chuck Adams <adams@ticnet.com>  
To: qrp-l@lehigh.edu  
Subject: [41388] AEA Keyers CK-2 and MM-3  
Message-ID: <3.0.3.32.19990526094020.0068ad9c@pop3.ticnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

A public thanks to Jerry, W8GND, about a question on one of their keyers - the CK-2. I have one with the manual and this thing was built about 1982 timeframe.

That is not the important part. On page 8 of the manual is a timing diagram for the dit and dah memory operation. This is what makes Mode B work.

If you wanna (TX talk for want) send the letter Q with

an Iambic Paddle you do the following.

1. Depress the dah paddle and hold it down until sometime during the sending of the last dah in Q.
2. Depress the dit paddle ~25% of the way into the second dah or later up until the midpoint of the inter-element spacing to get the dit inserted into the output string of elements (dits and dahs).

One thing that I have found out from email to various people is that John Curtis, the brain behind the 8044ABM chip, did not in his application note or anywhere else for that matter give the exact timing on the chip for Mode B.

Since that time, others have emulated the mode using different microprocessors. Dave, NN1G, does it in his new DSW-40 and I asked for more time in mode B and he was kind enough to give it to us. :-) He (I think) had the test for key closure going during that 25% interval and I'm not that good. His new version does the job nicely. I even think that a test at the 50% mark and afterwards is sufficient for 99% of the mode B users.

I have wanted to take an 8044ABM and have another microprocessor control two relays, one on the dit and one on the dah, and determine the exact state diagram for the chip, but alas that isn't in any timeline that I have going now.... Maybe someone on the list can do this as a project on the side. You have to be very very careful just how you do this and use Mode B yourself to answer all the questions that are going to come up.

Then come back with a followup test with the other keyers.... :-) Or have the experiment cheaply and easily reproducible by others.

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo> CP-60

-----  
Date: Wed, 26 May 1999 11:00:38 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [41389] >How to Grow a Hobby< A Radio Question

Message-ID: <19990526.110043.-71703.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

...Guys and Gals...

Assume we are drawing a Universal Radio block diagram...

What "BLOCKS" are missing?

Receiver Only:

- Head Phones/Speaker
- Audio Amplifier
- Audio Filter;
  - CW
  - SSB
  - AM
  - Digital
- Audio Per Amplifier
- AGC/AVC (S meter)
- Detectors;
  - CW/SSB
  - AM
  - Digital (Video)
- Local Oscillator (Fixed)
- Filter (Xtal)
- IF Amplifier
- Mixer
- Local Oscillator (VFO)
- RF Amplifier
- Filter (Front End)

Transmitter Only:

- Filter (Low Pass)
- Final Amplifier
- Driver Amplifier (IPA)
- Filter (SSB)
- Mixer
- Oscillator (Fixed)
- Oscillator (VFO, from RX Section)
- Audio Amplifier (Mic Processor)

Common RX / TX Blocks

- Power Supply
- Antenna

Tuner  
T/R Switch  
RX Mute / TX Key  
Side Tone

Controls:

Tune  
RF Gain  
Selectivity (IF)  
Mode  
Selectivity AF / "Video"  
AF Gain

Save BW, reply direct, I will post results on request,  
if you must broadcast a reply,  
please (check your "REPLY SETTINGS") do not "copy"  
the "bulk" of this post back to QRP-L,  
IMHO short comments would be welcome to the list.

John  
N3AAZ  
FM19xa  
.

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

Date: Wed, 26 May 1999 11:09:47 -0400  
From: Laura Halliday <lha@sdr.utias.utoronto.ca>  
To: qrp-l@lehigh.edu  
Subject: [41390] Re: >How to Grow a Hobby< (more)  
Message-ID: <3.0.6.32.19990526110947.007e36d0@madrox>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks for all the very thoughtful email I've gotten on this point!

I actually see two issues facing ham radio, and the gender issue  
is number two...



Number one is the society in which we live. While there is enormous use of and interest in technology, it is strictly on a consumer level. People buy and use black boxes. How they work is not interesting. People take functions for granted and do not investigate further.

I see this in ham radio too. Many hams buy a radio, plug it in and use it. How it works is not of interest. All that matters is that it *\*does\** work, and they can talk to people with it. Yes, I know, people bristle at the suggestion of ham radio being a non-technical hobby of personal communication, but that's what it looks like these days. Techie hams are a minority. Perhaps they've always been: I'm too new at this to know.

Techie ham radio survives in the specialty areas: QRP, microwaves, satellites. This is A Good Thing, but I'd like to see more. I'd particularly like to see a bit more new technology.

Laura Halliday VA3LDH    "Que les nuages soient notre pied  
Grid: FN03gs                    a terre..." - Hospital/Shafte

-----  
Date: Wed, 26 May 1999 17:21:24 +0200  
From: "David Reid" <dareid@Synopsys.COM>  
To: qrp-l@lehigh.edu  
Subject: [41391] a CW poem on a dutch server  
Message-ID: <199905261521.RAA09307@gooify.gr05.synopsys.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: Quoted-printable  
Content-Transfer-Encoding: Quoted-printable

Hi all,  
found this cute little CW poem....  
on <http://www.veron.nl/amrad/cwode.htm>  
(the dutch equivalent of ARRL or RSGB  
enjoy...  
Dave  
PA3HBB / G0BZF

-----  
Ode To Dah Code

by Gary Spence VA2CK/VA3QC/KA0PLO

We' ve all heard the cry `abandon the code!,

it's useless outdated, NOT a mod-er-n mode!`  
So I said to myself, 'could codes' day really be over?  
Best left for SKs' fer-til-iz-n' the clover?`

So off went my paddle 'n keyer to a museum,  
so those curious of our 'past' could drop in an' see um.  
I then bought a computer and a box I was told...  
would update my station, using all hi-tech modes.

It then was set up, all by my own hand...  
the screen it lit up et voila Heard Is-land!  
I switched to transmit to 'talk with this gent'  
but my screen read "sorry, can't copy 100%!

There's static, interference if you could hear it you'd agree...  
if it ain't armchair copy we machines cry c'est la vie!  
It then said 'there is as YOU know a way to get through,  
it's called the code, and what luck for you!'

'You've learned this art, you "stuck it out"  
'tis a valuable tool, there isn't a doubt.'  
You've invested your time, and besides the code you did learn,  
possession of valuable skills must be... EARNED!

So I say to you now don't get fooled when some say...  
Codes an' old dinosaur fadin' away!  
It's part of our past, present and future existence...  
anti-coders prepare for beaucoup de resistance

This is a poem I wrote as I love that CW!!!! It is featured on  
<http://www.trico.ns.ca/yarham/> The  
Yarmouth, Nova Scotia ARC homepage,  
<http://www.sarrio.com/sarrio/rsfinal1.html> Ray Sarrio's Page  
and in the Ham Radio Online Humour Section at  
<http://www.accessone.com:80/~vbook/humor/humor.htm>

It has been also in "Key Note" the newsletter of the International Morse  
Preservation Society, and  
numerous ARC newsletters in Canada and the USA.

It would be my pleasure to have it included in your newsletter and/or  
webpage.

.....thanks for reading my poem.....take care...Gary VA2CK in  
Aylmer, Qu=E9bec, Canada.....  
.....e-mail- cspence@synapse.net.....

-----  
Date: Wed, 26 May 99 11:32:09 -0500  
From: bump-km3d@redrose.net  
To: qrp-1@lehigh.edu  
Subject: [41392] Manhattan Tuna  
Message-ID: <199905261541.LAA59224@nss4.cc.Lehigh.EDU>

Yes, I know there's a problem (when I made the QSO I thought I was running QRO with at least a third of a watt!).

After playing with L2, I got the Tuna Tin's output up to only 70mw, and when I measured the total current drawn on transmit it measured 190ma; that's about double what I expected to see..... as time is tight and the goal of checking out the Manhattan style of board construction was a success, I'm not sure I'll get to trouble-shooting it in the near future (you guys will get 'way' ahead of me on the 2n2/40)....

Haven't even begun collecting my parts yet...

73,

Harry, Km3D

-----  
> I'd check that TT2 out carefully. You should be getting around 500 mW,  
> at least that's what I got out of the original when I restored it. They  
> are really fun little radios, dead simple!

-----  
Date: Wed, 26 May 1999 11:04:13 -0500  
From: David Heintzleman <bchurch@megavision.com>  
To: qrp-1@Lehigh.edu  
Subject: [41393] dk9sq mast  
Message-ID: <374C1B7D.CFF62998@megavision.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi - am happily using the 33 foot portable telescopic mast - want to put it up semi-permanently - fully extended -- is mounted in roof tripod, holding up radiator of a 40 mtr wire vertical - 1st or second joint keeps collapsing as result of wind vibration - any suggestions?

remember, "semi--permanent"  
Dave K8BBM

-----  
Date: Wed, 26 May 1999 09:14:19 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [41394] WTB: CMOS II Keyer  
Message-ID: <374BBB6B.2F13801B@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi all,

I'm looking for a CMOS II keyer to keep in my Jeep, so I don't have to keep moving my other one back and forth. I looked at the new CMOS III by LogiKey, but don't like the RCA jacks for output...what ever happened to the 1/8 mono jack?

Anyway, if you have one laying around and want to move it, pse respons privately.

Thanks.

Roger

--

73, de Roger, N7KT  
qrp-l #62, NorCal #1099, Zombie #006  
Mesa, AZ 85202

-----  
Date: Wed, 26 May 1999 11:42:00 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [41395] Tribander CB conversion  
Message-ID: <199905261626.MAA22784@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Hi Gang,

I recieved lots of interest in doing this project (Conversion board to make the Uniden PC122x1 into a tri band 15,12 and 10M CW/SSB rig)

So, I guess this project will go to the top of the "What to do next?" list. I'll get on it as soon as I can, but development work slows down here somewhat durring the summer.

This weekend I move up to my summer QTH "Camp" (a small 12 x15 cabin on a hill outside of town) which happens to be a great radio location. So, the priority will be to get some antennas back up and do some operating for a change :-)

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Wed, 26 May 1999 18:23:37 +0200  
From: "Peter Zenker" <Peter\_DL2FI@csi.com>  
To: "'QRP-L via PoP3'" <qrp-l@lehigh.edu>  
Subject: [41396] Request Micrin WPO Communication QRP txvr  
Message-ID: <000e01bea794\$26e39500\$848eb8d4@zenkerpn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

A member of DL-QRP-AG bought a Made in UK QRP txvr at a flee market. It is made by Micron WPO Communication ??  
80 to 10 Meter, Full QSK, CW only, LCD Frequency display, 0 to 6 Watt out  
He has been told, that it was purchased as a kit. He also has been told that "some of the UK QRP Gurus have been Co-designers" of the rig.

Any information on this rig / company?

Thanks in advance,  
Peter DL2FI

-----  
Date: Wed, 26 May 1999 09:40:43 -0700

From: David J Adams <adamsclan@netgate.net>  
To: QRP <qrp-1@lehigh.edu>  
Subject: [41397] QRP-1 Archive CD-Rom  
Message-ID: <374C240B.E7D28FC8@netgate.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Greetings! I've just finished burning all the route 'B' disks that have been requested up to this point. The Route 'A's will be burnt as blanks arrive. If anyone else would like a copy of the QRP-1 Archives put together by Chuck Adams, send me an email stating whether you want to go route A or B and I will send you the mailing info.

A: You send me a blank CD-R and an SAS mailer. I burn and return the disk to you.

B: Send \$10 and I supply the CD, mailer, etc.

73 de dave, n9uxu

-----  
Date: Wed, 26 May 1999 12:47:57 EDT  
From: Blackpug1@aol.com  
To: qrp-1@lehigh.edu  
Subject: [41398] Need help with GAP Titan antenna  
Message-ID: <5dcddac09.247d7fbd@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Question--

I recently came into possession of a GAP Titan antenna. I want to mount it to the side of my house (unfortunately, city codes require that it be attached to the house), but the antenna has an 80 inch counterpoise hoop for the 40 meter band that demands the antenna be mounted ABOVE the roof line (the counterpoise sits at the base of the antenna) so the counterpoise has clearance. As much as I hate to think about it, I'm considering the idea of removing the counterpoise so I can mount the antenna on a mast, with the mast being attached to the house using 12 inch brackets. By doing it this way I can have the antenna stick up above the roof line by 15 feet or so. (I'm trying to stay away from a power line.)

Mike  
KBORIA

E-Mail: [n4bp@bc.seflin.org](mailto:n4bp@bc.seflin.org)  
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>  
Brass Pounder BBS: (954) 472-7715

-----  
Date: Wed, 26 May 1999 10:26:03 PDT  
From: "Dan Hanson KQ6YI" <kq6yi@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [41400] Re: dk9sq mast  
Message-ID: <19990526172603.10403.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-type: text/plain; format=flowed;

This may be overly simply, but why not wrap each joint with electrical tape?  
Just an idea..

72 Dan Hanson KQ6YI@hotmail.com Previously: KD6RXZ Fullerton, CA

-----  
Get Free Email and Do More On The Web. Visit <http://www.msn.com>

-----  
Date: Wed, 26 May 1999 13:30:18 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: wgabriel@dukeengineering.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [41401] Re: >How to Grow a Hobby< (short)  
Message-ID: <Pine.3.89.9905261358.C21005-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 May 1999 wgabriel@dukeengineering.com wrote:

>  
> Even after the Quaker Oats radios I remember when I was about 12 (circa 1960)  
My first radio project when I was probably about 10. Thought I'd be really  
smart and substitute a variable capacitor for the slider tuned inductor.  
Of course it never worked, but hopefully I'm a little smarter now. :-)  
>  
> Memories - aren't they great! Just don't ask me about Chemistry sets and what  
> you used to be able to do with the "good" ones they had when we are kids. And  
> anyone remember match rockets or match guns? Ha!  
Ah, the smell of sulphur dioxide permeating the house from my basement  
"real" chemistry set! Also came with the formula for making gun powder  
and all the ingredients were sold at the local drug store. Good thing we  
never learned to put it in a sealed container. And then there was the  
time I somehow got hold of a flare and filled the whole house with orange  
smoke. When mentioned in recent years, my parents had conveniently



forgotten about it. Oh I think they were on vacation during the flare incident, and I was in the care of my older sister. And then there was the electric chair built with the help of a Model-T Ford ignition coil mounted in a wooden Cod Fish box (I grew up in New England). My younger sister remembers that chair very well!

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>  
Brass Pounder BBS: (954) 472-7715

-----  
Date: Wed, 26 May 1999 13:11:38 -0400  
From: Paul Antoniewicz <pja@sofsol.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'David Heintzleman'"  
<bchurch@megavision.com>  
Subject: [41402] RE: dk9sq mast  
Message-ID: <213E5C009DFFD111AF93006008BFAB8E08DA34@ssi12>  
MIME-Version: 1.0  
Content-Type: text/plain

How about adding something like a set screw just below the point where the pole is fully extended so that the section will rest on the screw and cannot retract until the set screw is removed.

Paul KB9TNJ

-----  
From: David Heintzleman[SMTP:bchurch@megavision.com]  
Sent: Wednesday, May 26, 1999 11:04 AM  
To: Low Power Amateur Radio Discussion  
Subject: dk9sq mast

Hi - am happily using the 33 foot portable telescopic mast - want to put it up semi-permanently - fully extended -- is mounted in roof tripod, holding up radiator of a 40 mtr wire vertical - 1st or second joint keeps collapsing as result of wind vibration - any suggestions?

remember, "semi--permanent"  
Dave K8BBM

-----  
Date: Wed, 26 May 1999 19:31:17 +0200  
From: "Peter Zenker" <Peter\_DL2FI@csi.com>  
To: <bchurch@megavision.com>, "'Low Power Amateur Radio Discussion'" <qrp-  
l@lehigh.edu>  
Subject: [41403] AW: dk9sq mast  
Message-ID: <001101bea79d\$b1846320\$848eb8d4@zenkerpn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dave,  
we had a long time discussion on our QRP Packet Radio Server in DL because  
this must is a little bit a standard over here :-)  
The best solution I have heard to secure against collapsing the mast is to  
put all single tubes together the other way. Its absolute "semi-permanently  
because you can change the way you put one tube into the other as often as  
you want. Sounds strange, but try it. (Doing it this way, its no longer  
teleopic, you have to build it up one tube after the other.)

BTW.  
Once I had installed the mast at the roof of my mobil home with a 80m  
inverted V on top. It was 2.00 at night when it collapsed. I very well  
remember how hard my head was attacked by the roof when I jumped up and I  
also remember how hard I have been attacked by my wife after that noise :-)

72 de Peter, DL2FI

> Hi - am happily using the 33 foot portable telescopic mast - want to  
> put it up semi-permanently - fully extended -- is mounted in roof  
> tripod, holding up radiator of a 40 mtr wire vertical - 1st or second  
> joint keeps collapsing as result of wind vibration - any suggestions?  
> remember, "semi--permanent"  
> Dave K8BBM

-----



Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>  
Brass Pounder BBS: (954) 472-7715

-----  
Date: Wed, 26 May 1999 18:02:52 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-1@lehigh.edu  
Subject: [41406] Re:Long Shot for K2 fun...  
Message-ID: <374C374C.2A8E@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi friends.

I'm going to build two K2's. One for Doc/K0EVZ and one for Rod/KA7YOU. This is confirmed and they didn't mind me sharing their names with the list. I do wish I had time to build all the K2's for those that emailed me.

So it looks like I'll be busy in 1999 right up to Y2K-Eve.

I was told it is about 50 hours labor to build the radio. What great fun.

I hope to extend another building offer soon in Y2K.

Best of QRP operating and building to all of you.

72/Ed Loranger WE6W

--

-Ed AR Millennium Q's=>650/2000 QRP-L#1068  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

-----  
Date: Wed, 26 May 1999 20:03:17 +0200  
From: "Peter Zenker" <Peter\_DL2FI@csi.com>  
To: <Blackpug1@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [41407] AW: Need help with GAP Titan antenna  
Message-ID: <001201bea7a2\$0ebc13e0\$848eb8d4@zenkerpn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Mike,

Some weeks ago with the help of some fellows of this list I tweaked my gap Titan. Be sure, if you remove the so called counterpoise, you will dramatic detune some other bands. Main influence will be on 40m, 30m and 10 m but I am pretty sure some other bands will also be detuned.

My GAP titan position is in the garden, 2.50 Meter above the ground and it works great. Did lots of > 8000 km QSO using my K2 at 5Watt mostly at 18MHz, 21 MHz and 7 MHz

72 de Peter, DL2FI

> I recently came into possession of a GAP Titan antenna. I  
> My question is--if I eliminate the counterpoise, will this  
> detune the other  
> bands? See any other problems with what I'm considering?  
> I'm a tyro when it  
> comes to all this. So feedback would be greatly appreciated.  
>  
> Mike  
> KBORIA  
>

-----  
Date: Wed, 26 May 1999 12:06:48 -0600  
From: Niel Skousen <skousen@srv.net>  
To: qrp-l@lehigh.edu  
Subject: [41408] Re: dk9sq mast  
Message-ID: <4.1.19990526120349.009480d0@eaglerock.if.sciencetech.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

What about a hose clamp on the smaller tube just above the joint ?  
If there are abrasion concerns, place a piece of rubber (old bike tube...) under the hose clamp then tighten...

Niel

At 01:51 PM 5/26/99 -0400, you wrote:

>On Wed, 26 May 1999, Dan Hanson KQ6YI wrote:

>>

>> This may be overly simply, but why not wrap each joint with electrical tape?

>> Just an idea..

>I'd be careful about doing that. The mast gets very hot in the sun (it's >black) and the tape adhesive gets left behind - to possibly mess up the >joint.

>

> 73,

>

> , ' ' ' ,

> Bob Patten, N4BP ( 0 0 ) Plantation, FL

> -----o00o-( )-o00-----

----

>

> E-Mail: n4bp@bc.seflin.org

> Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

> Brass Pounder BBS: (954) 472-7715

>

-----  
Niel Skousen Sr. Eng. Scientech / NUSI

208.525.3742 nskousen@scientech.com WA7SSA/qrp

-----  
Date: Wed, 26 May 1999 11:19:18 -0700

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: <qrp-1@lehigh.edu>

Subject: [41409] Need Volunteer Labor for NorCal Cap Kits

Message-ID: <01bea7a4\$450b5bc0\$630a0d0a@doug.dpol.k12.ca.us>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Guys, the caps for the NorCal cap kits are in, and I need some help. I am having a cap kitting party this Saturday here in Dos Palos. I plan to start kitting the caps about 9 AM and it will involve a full day. If you can assist, please let me know. Basically, you have to know how to count to ten to do this one. We will be separating the caps and bagging them in individual bags. Please email me with Kitting Party in the subject line.

Several times guys have asked how they could help, well here is your chance.

I will supply the refreshments and the noon meal, plus anyone who comes gets a sneak preview of my Regen receiver. Thanks for the help in advance. 72,  
Doug, KI6DS

-----  
Date: Wed, 26 May 1999 11:23:29 -0700  
From: "wn6hyx" <mcherry@calweb.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [41410] help  
Message-ID: <01bea7a4\$dac87d00\$4650d3cf@wn6hyx>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I've misplaced the instructions on how to unsubscribe to this reflector. If someone could forward me the info I would appreciate it.

72  
Mary wn6hyx  
mcherry@calweb.com

-----  
Date: Wed, 26 May 1999 12:45:51 -0600  
From: Brad Mugleston <bmug@gw1.com>  
To: "'qrp-l'" <qrp-l@lehigh.edu>  
Subject: [41411] Longitude and Latitude  
Message-ID: <01BEA775.B1F6B420.bmug@gw1.com>

This is probably old hat to most of you but I just noticed that the mapping site offered under YAHOO has a "printable map" option and if you select that the longitude and latitude of the address you selected is shown in the web address. Down to about 4 decimal places. Good information for finding grid squares.

de KI00T, Brad

-----  
Date: Wed, 26 May 1999 14:00:55 -0500  
From: Chuck Adams <adams@ticnet.com>

To: qrp-1@lehigh.edu  
Subject: [41412] Plating Brass  
Message-ID: <3.0.3.32.19990526140055.0068c1e8@pop3.ticnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

Something new that I learned this week about plating brass.

I took apart something that was made of brass to gold plate last week. Not something that I could plate myself. I found through research that the best thing to have done is a nickel plating followed by the layer of gold.

First thing that you gotta do is clean the brass. OK, this group in a rash of refurbishing brass keys, paddles, and the NorCal K8FF kit craze (that many missed and wished they hadn't) went through a series of postings on all kinds of chemicals, non-chemicals, and esoteric methods of getting fantastic results on finishes for brass. I couldn't use Fritz for this project.

My Bunnell was looking pretty tarnished again after more than a year since I polished it, so it became a test case. My thinking was that if you want something that won't scratch or mar the surface then go to Albertson's grocery store and find out what they sell. I'm sure that their critical customers will let them know if there were to sell a product that in any way was dangerous to use or damaging to an antique. So with that reasoning I bought a 7 fl oz bottle of Goddard's Brass and Copper Polish. It works wonderfully and I was impressed. Water soluble, contains ammonia so use in a draft area or outside. Oh, the Bunnell wasn't what was to be plated. \$3.99 for the bottle of cleaner/polish.

I wanted a non-gritty non-abrasive substance because of the project that I wanted gold plated. Any scratches on it and I'd probably be sick for a week.

Next line of reasoning was to find a jewelry outfit to do the plating. No luck there as they didn't do such stuff. But they did recommend a "show car" outfit. By this I mean a business that specializes in chrome and gold plating for those high dollar cars that enter in building and customized automobile contests. Kinda like what QRPers do..... :-)



Found one and took the brass pieces to them. Fantastic job for under \$70 but they threatened me if I told. They don't like the small pieces. So I threatened them back and told them if they didn't do a good job I'd post their name and number. :-)

They did a good job..... The thing that we plated I can not ever recommend to anyone else on this planet do. It takes more patience and care than any project that I have ever done and this was something that I wanted to see if I could do and not mess it up. No, it was not the Mercury Paddle so breath easy gang.

Please don't start any guessing games on the list on this one and I refuse to answer email on this topic. :-) I post this just for those that may have some little ditty that they would consider gold plating. The process is not cheap but not as expensive as I thought it would be.

I'd say the final finish was about 2 mils (0.002") but I didn't do any measurements before the plating process. The difference between shiny brass and shiny gold is like night and day. No wonder the human race for thousands of years has used gold. Phyllis and I recently saw at the Dallas Museum of Art some Egyptian antiquities (sp?) that were over 4,000 years old. Impressive and somewhat humbling. Is there any chance that anything that you or I build lasting that long or even being considered kept up for that length of time?

Pictures of the Bunnell on the web later tomorrow. I promised someone that I would get all the keys back that I had taken off some time ago in moving over to qsl.net.

The one person on the list that knows about this gets to see the results. :-) Don't you just love a mystery? ;-)

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo> CP-60

-----  
Date: Wed, 26 May 1999 13:05:33 -0700  
From: Bob Hightower <ki7mn@extremezone.com>  
To: bchurch@megavision.com  
Cc: qrp-1@lehigh.edu

Subject: [41413] Re: dk9sq mast  
Message-ID: <199905261959.MAA01396@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

At 11:04 AM 5/26/99 -0500, you wrote:=20

>  
> Hi - am happily using the 33 foot portable telescopic mast --=A0=A0 want to  
> put it up semi-permanently --=A0=A0 fully extended --=A0=A0 is mounted in=  
roof  
> tripod, holding up radiator of a 40 mtr wire vertical --=A0 1st or second  
> joint keeps collapsing as result of wind vibration --=A0 any suggestions?  
> remember, "semi--permanent"  
> Dave K8BBM

This will work for awhile: wrap heavy rubber bands just above the joint, so  
they can't slip down inside the lower sections.

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

-----  
Date: Wed, 26 May 1999 13:32:59 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [41414] Bill Jones to show Regen at NorCal Cap Kitting Party Saturday  
Message-ID: <01bea7b6\$f2274960\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hey, guys, one response so far volunteering help with the cap kits. None  
other than Bill Jones, KD7S, and he will also be bringing his regen to show.  
Guys, I guarantee you that you want to see this one, it will be worth the  
trip just to see his work. Plus, we do need some more help, as we have a  
lot of caps to sort and put into kits. Free lunch on Doug, Bill Jones, KD7S  
Regen, hey, it doesn't get any better. Don't forget, if you can make it,  
you can get on the list by sending email to me to reserve your spot!! We  
are kitting from 9 AM until??? Send email for details. 72, Doug, KI6DS

-----  
Date: Wed, 26 May 1999 16:39:38 EDT  
From: K2UD@aol.com  
To: qrp-l@lehigh.edu  
Subject: [41415] Neophyte Muting  
Message-ID: <41f35861.247db60a@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

A question for those designers out there. I wish to mute the audio in my 30M Neophyte receiver, in order to use it with my W7ZOI "Universal Transmitter." The Neophyte utilizes an NE-602 product detector feeding an LM-386 through a simple audio filter. The 386 is fed by way of both its inverting and non-inverting inputs. This is where low level audio occurs on this rcvr.

I would like to mute it with an FET transistor (with a resistor in "parallel" to allow rcv audio to pass for sidetone during xmit) ala Dave Benson's SW-40 rig. Do I need to mute both inverting and non-inverting inputs, or can I get away with muting just one? Dave's rig uses 2 op-amps, and the muting takes place on the output of the first, or "driver" op-amp.

Has anybody already muted a Neophyte, yet still allowed a small amount of audio to pass for sidetone purposes? All help here would be greatly appreciated (and passed on to others!). TNX all.

72

Howard Kraus, K2UD

-----  
Date: Wed, 26 May 1999 16:56:43 -0400  
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
To: "'QRP Email List'" <qrp-l@lehigh.edu>  
Subject: [41416] Re: Longitude and Latitude  
Message-ID: <8060D04206ABD2118C6800805FC743CC46A791@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Another one you can try (with or without the map) is:

<http://www.geocode.com/eagle.html-ssi>

once you have the Lat./Long., if you want the six digit grid square, you can

convert it using:

<http://www.arrl.org/locate/grid.html>

(For decimal degree form, just enter the complete number in the degrees space)

72, Michael Tracy, KC1SX

-----  
Date: Wed, 26 May 1999 17:13:30 -0400  
From: Joseph Trombino Jr <joebarb@wilmington.net>  
To: QRP-L@LEHIGH.EDU  
Subject: [41417] NorCal Capacitor kit  
Message-ID: <3.0.1.32.19990526171330.00758aec@wilmington.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello fellow QRP'ers and homebrewers:

Has anyone received their NorCal capacitor kit yet? Any word on when they might be shipped?

72/73, Joe W2KJ (North Carolina)

-----  
Date: Wed, 26 May 1999 17:15:38 -0400  
From: Joseph Trombino Jr <joebarb@wilmington.net>  
To: QRP-L@LEHIGH.EDU  
Subject: [41418] NorCal Capacitor kit  
Message-ID: <3.0.1.32.19990526171538.0075bf48@wilmington.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello fellow QRP'ers and homebrewers:

Has anyone received their NorCal capacitor kit yet? Any word on when they might be shipped?

Please disregard the above....I just saw the post from KI6DS...guess I hit the send key a bit too fast:-)

Regards, Joe W2KJ (North Carolina)

-----  
Date: Wed, 26 May 1999 16:17:43 +0000  
From: Jay Bromley <w5jay@alltel.net>  
To: joebarb@wilmington.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [41419] Re: NorCal Capacitor kit  
Message-ID: <374C1EA7.158250B7@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Timing, Timing, the Timing. Their packing them up this weekend, if I read right today.  
73 de w5jay..

-----  
Date: Wed, 26 May 1999 23:00:40 +0100  
From: "Graham Firth" <Graham.Firth@BTinternet.com>  
To: "Hendricks, Doug" <ki6ds@dpol.k12.ca.us>, <qrp-l@lehigh.edu>  
Cc: <g4wif@BTinternet.com>  
Subject: [41420] Re: Regen Building Progress  
Message-ID: <001f01bea7c3\$78dd8f80\$02010080@graham>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi

> Ok, I am going to let the cat out of the bag so to speak. I have been  
> working really hard on my entry for the NorCal Regen Building contest (I am  
> not eligible for the prizes, but I do have a personal challenge from Graham  
> Firth, W3MFJ/G3MFJ who will be attending.) I looked at a whole bunch of  
> circuits and finally came down to the MFJ8100K kit circuit. Yes, yes I know  
> that kits are not eligible, but homebrew versions of them are.  
I'm not sure that plagiarising a commercial circuit is strictly within the rules!  
I shall have to get my lawyer in to scrutinise them - I may even have to make  
you forfeit the prize

> Yes I know Graham  
> is already hollering Mr. Referee, Mr. Referee, Foul, Foul, by the Colonist.  
> But wait Mr. Firth, my esteemed opponent. I used the kit and the parts in  
> it to build the kit. My entry is built from parts that I found and located  
> on my own, and uses a piece of circuit board as a ground plane and 3/16"  
> circular pads as tie points, so it is truly homebrew. No parts come from  
> the MFJ kit.

Yes but is that really within the spirit of it?

Mine is built from purely British circuits - and British components. I have not even used any resistors from my Norcal kit as I thought that that was using kit parts - that's how well \*I\* am following the rules.

I may have to call out foul and make declare your entry null and void! I'll let you know when my legal brain has looked through the rules.

>

> I drove over to see my guru, Dave Fifield, AD6A, the NorCal 20 guy and who  
> helps me when I can't figure out what to do next.

Still, it looks like even the great Mr Hendricks is learning from the contest - so I may let the oversight of the rules pass. I will have to speak to my fellow English contestant to see if we can allow this. Don't the rules say "own efforts and with no help from anyone called Fifield"?

> My wife JoAnne, rode  
> along, and sat in the pickup waiting for me as I promised that it would only  
> take Dave a maximum of 30 minutes to find the problem. This guy is a genius  
> I assured her. She rolled her eyes, said sure, and opened up a new book she  
> brought along to read. Now, was that eyeroll, that every husband knows, for  
> my estimate of time or Dave's electronic ability? I'll never know.  
Now there is another person who deserves a medal - I can't see my wife sitting outside waiting for me to play radio with someone. I hope she made you pay for a very expensive meal!! And, did she finish the book?

72/3

Graham

G3MFJ/W3MFJ

-----  
Date: Wed, 26 May 1999 17:54:28 -0400  
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>  
To: Karl.Kanalz@optelinc.com  
Cc: qrp-1@lehigh.edu  
Subject: [41421] Re: 2N2/40 QRPp Corrections  
Message-ID: <3.0.1.32.19990526175428.00e4ea70@mail49.cwix.com>  
MIME-version: 1.0

Content-type: text/plain; charset="us-ascii"

At 01:12 PM 5/26/99 -0500, Karl K - W8TIF wrote:

>

>

>Jim,

Howdy Karl.....

>

>Your 2N2/40 design in QRPP and the artwork that accompanied it  
>is simply outstanding!!

Thanks....glad you liked the article.

>

>I'm gathering all the parts now to build one using pads (as described  
>in QRPP), and have asiduously followed the article corrections you've  
>published on the QRP-L reflector.

Unfortunately, as you described below, I screw it up a bit. I need to  
make those corrections and repost (how embarrassing) to the group again.

>

>In your "corrections" list of 5/24/99, you mention an error on page 19 --  
>capacitor C7 is missing from the drawing. You state that the capacitor  
>connects between the pad with VCC5/VCC6 and ground. On MY page  
>19 of QRPP, I can't find a pad that has VCC5/VCC6, but I HAVE found  
>a pad where VCC5 and VCC4 (four) join. Was there an error in your  
>correction or am I just not seeing VCC6?

There was an error in my correction. The pad is indeed VCC4/VCC5,  
I can't for the life of me figure how I fat fingered that one, but  
I did!

>

>You also describe a correction on page 25 (...missing pad and parts  
>between the emitter of Q6 and the output [pin 4] of T4....) Shouldn't  
>"T4" really be "T7" ? It looks to me like it's the transformer that is  
>associated with Q6. In fact, the drawing on page 25 doesn't show  
>a transformer designated as "T4".

Again yes. The transformer in question is T7, and it is lead 4  
that has to connect to the missing parts. It must have been lead  
4 that made me write T4. "'Ya....thats it!" :-)

>

Sorry I had to repost correction information again gang, but as  
you can see from above, I didn't get everything correct. Hope  
this demystifies it for those who were still confused.

72 and happy building.....Jim, K8IQY

-----

Date: Wed, 26 May 1999 18:28:14 EDT

From: Robsparks@aol.com  
To: qrp-1@lehigh.edu  
Subject: [41422] AR QRP 40m Net tonight  
Message-ID: <ac20df95.247dcf7e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The AR QRP 40m Net will be tonight at 0030Z (730 pm CDT) at 7.042 mhz. NQ5RP is the club call and will be used by the NCS. This is an informal net! Come check in!

Bob NQ5RP/AB5ZD

-----  
Date: Wed, 26 May 1999 18:49:05 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [41423] Ladies Congratulations  
Message-ID: <19990526.184912.-131177.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

My QTH is less than a mill watt from Annapolis...the Naval Academy...

Big news here today... !! GRADUATION !! ...

Five of the top ten... female.

A pat on the back... to ALL.

John  
N3AAZ  
FM19xa  
.

-----  
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End of QRP-L Digest 1469

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